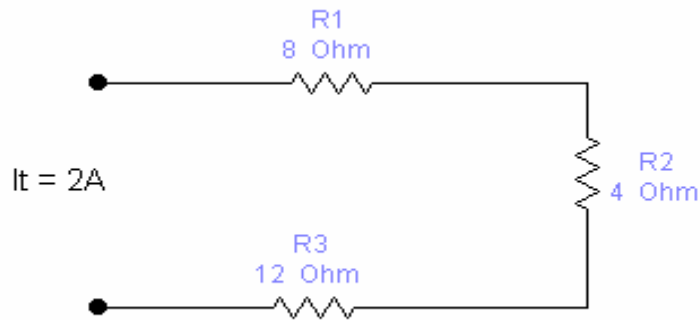


Name: _____

Test Your Knowledge

Date: _____

1. In a series circuit, the current values are _____ everywhere in that circuit.
2. In a series circuit, the source voltage is equal to the _____ of the individual voltage drops.
3. _____ is the total circuit resistance for two 25 ohm resistors connected in series.
4. When resistors of equal value are connected in series, they will develop voltage drops of _____ value.
5. Two 25 ohm resistors connected in series will require a _____ voltage source to produce a 6 volt voltage drop across one 25 ohm resistor.
6. Using the circuit below, solve for the unknown values.



$R_T =$ _____ $E_T =$ _____ $P_T =$ _____

$I_1 =$ _____ $E_1 =$ _____ $P_1 =$ _____

$I_2 =$ _____ $E_2 =$ _____ $P_2 =$ _____

$I_3 =$ _____ $E_3 =$ _____ $P_3 =$ _____